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	Application Number	10/055,241			
INFORMATION DISCLOSURE	Confirmation No.:	8631			
STATEMENT BY APPLICANT	Filing Date:	October 29, 2001			
(Use as many sheets as necessary)	First Named Inventor:	Joseph E. Peck			
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	Examiner Name:	Steelman, Mary J.			
Sheet 1 of 1	Attorney Docket Number:	5150-63500			

				Examiner Name:		elman, Mary	J.
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Examiner Initials*	Cite No. ¹	include name of the author (in	l, serial, symposi	TTERS), title of article (when appropriate), title of the sium, catalog, etc.), date, (page(s), volume-issue ere published.			Check if English Translation is attached
MX	E1	on a Virtual Hardwa	are," IEEE '	; "WASMII: A Data Driven Computer EE Workshop on FPGAs for Custom April 1993; pps. 33 – 42; Napa, CA,			
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Examiner	Date Considered	
Signature		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application. Applicant's unique citation designation number (optional).

ATTY: DOCKET NO: 5150-63500 SERIAL NO: 10/055,241 Form PTO-1449 (modified) List of Patents and Publications OFT 0 6 2003 % For Applicant's Information Silling Sivottribut. Disclosure Statement (Use several sheets if necessary) APPLICANT: Peck et al. 219 GROUP: 2123 FILING DATE: October 29, 2001 U.S. PATENT DOCUMENTS REF. EXAM. **DOCUMENT** CLASS FILING DATE IF DATE SUB NAME APPROPRIATE INITIALS DES **CLASS** NUMBER A1 4,849,880 7/18/89 Bhaskar et al. ML A2 4,901,221 2/13/90 Kodosky et al. MX A3 5,109,504 4/28/92 Littleton Md A4 5,437,464 8/1/95 Terasima et al. Md OCT 0 9 2003 My 5,497,498 A5 3/5/96 Taylor **A6** MS 5,535,342 7/9/96 Taylor Technology Center 2100 **A7** MX 5,555,201 09/10/1996 Dangelo et al. A8 5,566,295 10/15/96 Cypher et al. MX MY A9 5,583,749 12/10/96 Tredennick et al. A10 M 5,603,043 02/11/1997 Taylor et al. AH 5,603,043 2/11/97 Taylor ct al. A12 5,652,875 MS 7/29/97 Taylor A13 5,684,980 11/4/97 mx Casselman A14 5,732,277 03/24/1998 Kodosky et al. Kw A15 5,784,275 7/21/98 Sojoodi et al. My A16 MA 5,847,955 12/98 Mitchell et al. A17 6,219,628 04/2001 MS Kodosky et al. MY A18 6,226,776 05/01/2001 Panchul et al. A19 05/082001 6,230,307 M Davis et al. A20 KM 6,311,149 10/30/2001 Ryan et al. FOREIGN PATENT DOCUMENTS EXAM. REF. **DOCUMENT** CLASS DATE TRANSLATION. COUNTRY SUB INITIALS DES YES/NO NUMBER **CLASS** A21 WO 94 10627 A 5/11/94 PCT A22 WO 94 15311 A 7/7/94 PCT MX A23 WO 96 14618 A 5/17/96 PCT MX

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Form PTO-1449 (modified)
List of Patents and Publications
For Applicant's Information
Disclosure Statement
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Technology Center 2100

APPLICANT: Peck et al.

FILING DATE: October 29, 2001 GROUP: 2123

		OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)
MX	A24	Douglas, Bruce D., Ph.D., "Custom Embedded Communication Protocols, Conference Proceedings of Embedded Systems Conference East, March 10-12, 1997, Boston, Massachusetts, pp. 637-657.
-MX		Labrosse, Jean, "Inside Real-Time Kernels," Conference Proceedings of Embedded Systems Conference East, March 10-12, 1997, Boston, Massachusetts, pp. 205-214.
MX MX	A26	Labrosse, Jean, "Designing with Real-Time Kernels," Conference Proceedings of Embedded Systems Conference East, March 10-12, 1997, Boston, Massachusetts, pp. 379-389.
ms	A27	Operating Systems, 2 nd Ed. By Williams Stallings, Prentice Hall, 1995, "Multiprocessor and Real-Time Scheduling", pp. 394-415.
mX		International Search Report for PCT/US 98/10916 dated 9/17/98.
M	A29	"LabVIEW USER MANUAL for Windows", National Instruments Co., pp. 4/1-21.
MS	A30	Beguelin et al., "Visualization and Debugging in a Heterogenous Environment," IEEE, pp. 88-95.
mx		Jamal et al., "The Applicability of the Visual Programming Language LabView to Large Real-World Application," IEEE, pp. 99-106.
ml	A32	Per-Arne Wiberg, "Graphical Programming of Time-Deterministic Real-Time Systems," IEEE, pp. 173-180.
MY		XP0002087124 Xiao-Yu, et al., "Software Environment for WASMII: A Data Driven Machine with a Virtual Harware," Field Programmable Logic Architectures, Synthesis and Applications, 4 th International Workshop on Field-Programmable Logic and Applications, FPL '94 Proceedings, Berlin Germany, 1994.
m	A34	XP000554820 Edwards, et al., "Software acceleration using programmable hardware devices," IEEE Proceedings: Computers and Digital Techniques, Vol. 143, No. 1, January 1996, pp. 55-63.
nt		XP000380758 Lesser, et al., "High Level Synthesis and Generating FPGAs with the BEDROC System," Journal of VLSI Signal Processing, Vol. 6, No. 2, August 1993, pp. 191-214.
myl	A36	International Search Report for PCT/US 98/13040 mailed 12/22/98.
mst		Ade, M; Lauwereins, R; Peperstraete, J.A.; Hardware-Software Codesign with GRAPE, Proceedings of the Sixth IEEE International Workshop on Rapid System Prototyping, pp. 40-47, June 1995.
Km		De Coster, GRAPE-II: An Introduction [online]. Automatic Control and Computer Architectures Department. Katholieke Universiteit Leuven, Belgium, February 22, 1996 [retrieved October 6, 1999] Retrieved from the Internet @ http://www.esat.kuleuven.ac.be/acca .

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MS	A39		_	nt System for FPGA-based In FPGAs for Custom Comp	-	•
md	A40			ator Fault On-line Diagnosis chnical Conference, Vol. 1,		
ml	A41	Spoelder et al., "Virtual Instrumentation: A Survey of Standards and Their Interrelation", Proc. IEEE Instr. And Measurement Tech. Conf., Vol. 1, pp. 676-681, May 1997.				
MS		Srinivasan et al., "LabVIEW program Design for On-Line Data Acquisition and Predictive Maintenance", Proc. Of the 30th Southeastern Symp. On System Theory, pp. 520-524, March 1998.				
Mf	A43 Wahidanabanu et al., "Virtual Instrumentation with Graphical Programming for Enhanced					
M		Fountain: "Software adva Instrumentation; pp. 4/1 t		rement and instrumentation	"; IEE C	oll. Software
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itation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

Information Disclosure Statement--PTO 1449 (modified)

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Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)		ATTY. DOCKET NO: 5150-63500		SERIAL NO: 10/055,241			
1			RADEMA	APPLICANT: Josep	h E. Pe	ck	101
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EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
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		FORI	EIGN PATE	NT DOCUMENTS	11		
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. MX	C1	DE 692 32 869 T2	Sept. 4, 2003	Germany			YES
MX	C2	DE 42 05 524 A1	Aug. 27, 1992	Germany			YES
		OTHER ART (In	cluding Autho	r, Title, Date, Pertinent Pa	ages, Et	c.)	
kM	C3			erstraette, J; Grape-II: A S			yping
km		Environment for DSP Applications, Computer, Vol. 28, Issue 2, pp. 35-43, 2/95. Lysaght, P; Stockwood, J; A Simulation Tool for Dynamically Reconfigurable Field Programmable Gate Arrays, IEEE Transactions on Very Large Scale Integration Systems, Vol. 4, Issue 3, pp. 381-390, 9/96.					
KM		Petronino et al., An FPGA-based Data Acquisition System for a 95 GHz. W-band Radar, IEEE International Conference on Acoustics, Speech and Signal Processing, Vol. 5, pp. 4105-4108, April 1997.					
M		Boulay et al., A High Throughput Controller for a 256-Channel Cardiac Potential Overlapping System, Canadian Conference on Electrical and Computer Engineering, Vol. 1, pp. 539-542, September 1995.					
XAMINE	XAMINER: M. Sleelman DATE CONSIDERED: 6.22-05						
VALORE							

XAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through itation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

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Information Disclosure Statement-PTO 1449 (modified)

D	isclo	osure Statement	(NOV 0 3 2004 (2)	
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			FILING DATE: October 29, 2001	GROUP: 2123
			cluding Author, Title, Date, Pertinent Pa	iges, Etc.)
LM		, , ,	ools Target FPGAs," www.reed-rchives/1996/062096/13df2.htm, June 20, 1	996.
	C8	Heimdahl, M.P.E., Keena	n, D.J., "Generating Code from Hierarchical national Symposium on Requirements Engi	State-Based Requirements,"
MY		1997.		
KM		Copyright 1995.	MATRIXx Product Family Technical Spec	
,M	C10		sor System Development for High Performages of the 1997 IEEE Int. Workshop on Rapid	_
md.		1994.	State Diagrams and Reactive Systems," Dr	
	C12	a Virtual Hardware," Pro	to, H., "Software Environment for WASMII seedings of 4 th Workshop on Field-Program , Springer Verlag, September 1994.	
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List of Patents and Publications

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			ools Target FPGAs," <u>www.reed-</u> rchives/1996/062096/13df2.htm, June 20, 1	006	
			n, D.J., "Generating Code from Hierarchical		Based Requirements,"
1		Proceedings of IEEE Inter	national Symposium on Requirements Engi		-
- Jy	C9	1997. Integrated Systems Inc. "	MATRIXx Product Family Technical Spec	ificatio	ne " Product Manual
never July		Copyright 1995.			
Contract of			sor System Development for High Performa		
23'		Applications," Proceeding Copyright 1997.	s of the 1997 IEEE Int. Workshop on Rapid	1 Syster	m Prototyping (KSP),
<u>u' \</u>	C11	Drusinsky, D., "Extended	State Diagrams and Reactive Systems," Dr	. Dobb	's Journal, October
	C12	Chen Y Jing Y Amen	o, H., "Software Environment for WASMII	· a Date	o Driven Machine with
4.1	CIZ		eedings of 4th Workshop on Field-Programs		
MX		(FPL '94), pages 208-219	, Springer Verlag, September 1994. Jupite	nte of	EI Ref 2/28/200}
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